



PORTION DESCRIPTIONS

FROM THE

DECEMBER 8, 1999

MINERAL LEASE SALE

STATE LEASE NO. 16603
EXHIBIT "A"

PORTION OF TRACT 32209 - PORTION OF BLOCK 64, SHIP SHOAL AREA, Terrebonne Parish, Louisiana

That portion of Block 64, Ship Shoal Area, Terrebonne Parish, Louisiana, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, described as follows: Beginning at the Northwest corner of State Lease No. 14795, located on the North line of Block 64, Ship Shoal Area, having Coordinates of X = 2,132,600.00 and Y = 127,591.99; thence South 2,029.99 feet along the West line of said State Lease No. 14795 to a point having Coordinates of X = 2,132,600.00 and Y = 125,562.00; thence South 62 degrees 47 minutes 21 seconds West 7,063.74 feet to a point having Coordinates of X = 2,126,318.00 and Y = 122,332.00; thence North 5,259.99 feet to a point having Coordinates of X = 2,126,318.00 and Y = 127,591.99; thence East 6,282.00 feet to the point of beginning, containing approximately 525.66 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

NOTICE OF CORRECTION

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STATE LEASE NO. 16606

EXHIBIT "A"

PORTION OF TRACT 32215 - St. Mary Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on December 8, 1999, situated in St. Mary Parish, Louisiana, within the following described boundaries: Beginning at the Southeast corner of State Lease No. 15949 having Coordinates of X = 1,998,361.01 and Y = 291,020.13; thence along the boundary of said State Lease No. 15949 the following courses: North 962.53 feet and West 5,309.41 feet to a point on the North line of said State Lease No. 15949 having Coordinates of X = 1,993,051.60 and Y = 291,982.66; thence North 2,377.34 feet to a point having Coordinates of X = 1,993,051.60 and Y = 294,360.00; thence East 7,566.40 feet to a point having Coordinates of X = 2,000,618.00 and Y = 294,360.00; thence South approximately 2,181 feet to a point on the Northern boundary of State Lease No. 5097, as amended, having a Coordinate of X = 2,000,618.00; thence Westerly along the Northern boundary of said State Lease No. 5097 to the point of beginning, containing approximately 423.65 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: This tract is located within the Atchafalaya Delta Wildlife Management Area. Any operations on said tract shall be coordinated with the Louisiana Department of Wildlife and Fisheries. Special Rules and Regulations have been promulgated by the Louisiana Department of Wildlife and Fisheries for the protection of the game and wildlife for some management areas. Any lease awarded by the Board on said tract shall be subject to any applicable Rules and Regulations of said management area. Copies of these Rules and Regulations may be obtained from the Louisiana Department of Wildlife and Fisheries through the Assistant Secretary, Office of Wildlife, upon request.

The proposed mineral lease is located on the Atchafalaya Delta Wildlife Management Area which is under the jurisdiction of the Louisiana Department of Wildlife and Fisheries.

- 1) No activities will be allowed without written authorization from the Louisiana Department of Wildlife and Fisheries.
- 2) Projects will be evaluated on a case by case basis. Modifications to projects may be required including but not limited to access routes, spoil placement, well sites, flowlines, and appurtenant structures.
- 3) Mitigation will be required to offset unavoidable wetland impacts.
- 4) Removal of all structures, facilities and equipment will be required within 120 days of abandonment unless otherwise agreed to by the Louisiana Department of Wildlife and Fisheries.
- 5) Prior to submitting applications for wetland permits to Federal and State permitting agencies the lease holder shall coordinate project details with the Louisiana Department of Wildlife and Fisheries, Fur and Refuge Division. Contact person for the Department will be Mike Windham (504) 568-5886.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources and the Louisiana Department of Wildlife and Fisheries, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources and the Louisiana Department of Wildlife and Fisheries, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16607
EXHIBIT "A"

PORTION OF TRACT 32218 - Lafourche and St. James Parishes, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on December 8, 1999, situated in Lafourche and St. James Parishes, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 2,190,000.00 and Y = 458,900.00; thence South 2,640.00 feet to a point having Coordinates of X = 2,190,000.00 and Y = 456,260.00; thence West 1,980.00 feet to a point having Coordinates of X = 2,188,020.00 and Y = 456,260.00; thence North 2,640.00 feet to a point having Coordinates of X = 2,188,020.00 and Y = 458,900.00; thence East 1,980.00 feet to the point of beginning, containing approximately 9 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16608
EXHIBIT "A"

PORTION OF TRACT 32218 - Lafourche and St. James Parishes, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, owned by and not under mineral lease from the State of Louisiana on December 8, 1999, situated in Lafourche and St. James Parishes, Louisiana, within the following described boundaries: Beginning at a point having Coordinates of X = 2,181,800.00 and Y = 459,340.00; thence East 2,700.00 feet to a point having Coordinates of X = 2,184,500.00 and Y = 459,340.00; thence South 3,960.00 feet to a point having Coordinates of X = 2,184,500.00 and Y = 455,380.00; thence West 2,700.00 feet to a point having Coordinates of X = 2,181,800.00 and Y = 455,380.00; thence North 3,960.00 feet to the point of beginning, containing approximately 8.5 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16610
EXHIBIT "A"

PORTION OF TRACT 32227 - PORTION OF BLOCK 19, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the West line of Block 19, Breton Sound Area, having Coordinates of X = 2,664,850.00 and Y = 344,455.00; thence East 5,800.00 feet to a point having Coordinates of X = 2,670,650.00 and Y = 344,455.00; thence South 7,375.00 feet to a point on the South line of said Block 19 having Coordinates of X = 2,670,650.00 and Y = 337,080.00; thence West 2,300.00 feet along the South line of said Block 19 to the Southeast corner of State Lease No. 16443 having Coordinates of X = 2,668,350.00 and Y = 337,080.00; thence with the boundaries of said State Lease No. 16443 the following courses: North 29 degrees 58 minutes 54 seconds East 3,001.67 feet, North 37 degrees 08 minutes 48 seconds West 4,140.05 feet and South 37 degrees 08 minutes 48 seconds West 4,140.05 feet to a point on the West line of said Block 19 having Coordinates of X = 2,664,850.00 and Y = 339,680.00; thence North 4,775.00 feet along said West line to the point of beginning, containing approximately 538.91 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16611
EXHIBIT "A"

PORTION OF TRACT 32227 - PORTION OF BLOCK 19, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the East line of Block 19, Breton Sound Area, having Coordinates of X = 2,679,600.00 and Y = 338,320.00; thence West 1,700.00 feet to a point having Coordinates of X = 2,677,900.00 and Y = 338,320.00; thence North 3,150.00 feet to a point having Coordinates of X = 2,677,900.00 and Y = 341,470.00; thence East 1,700.00 feet to a point on the East line of said Block 19 having Coordinates of X = 2,679,600.00 and Y = 341,470.00; thence South 3,150.00 feet along the East line of said Block 19 to the point of beginning, containing approximately 122.93 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16612
EXHIBIT "A"

PORTION OF TRACT 32227 - PORTION OF BLOCK 19, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the South line of Block 19, Breton Sound Area, having Coordinates of X = 2,677,020.00 and Y = 337,080.00; thence North 07 degrees 00 minutes 00 seconds West 4,300.00 feet to a point having Coordinates of X = 2,676,495.96 and Y = 341,347.95; thence North 32 degrees 29 minutes 06 seconds West 3,683.38 feet to a point having Coordinates of X = 2,674,517.70 and Y = 344,455.00; thence West 1,648.70 feet to a point having Coordinates of X = 2,672,869.00 and Y = 344,455.00; thence South 21 degrees 00 minutes 00 seconds East 7,899.69 feet to a point on the South line of said Block 19 having Coordinates of X = 2,675,700.00 and Y = 337,080.00; thence East 1,320.00 feet to the point of beginning, containing approximately 329.55 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16614
EXHIBIT "A"

PORTION OF TRACT 32229 - PORTION OF BLOCK 30, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at the Northwest corner of Block 30, Breton Sound Area, having Coordinates of X = 2,664,850.00 and Y = 337,080.00; thence East 5,800.00 feet along the North line of said Block 30 to a point having Coordinates of X = 2,670,650.00 and Y = 337,080.00; thence South 2,200.00 feet to a point having Coordinates of X = 2,670,650.00 and Y = 334,880.00; thence West 4,400.00 feet to a point having Coordinates of X = 2,666,250.00 and Y = 334,880.00; thence South 4,100.00 feet to a point having Coordinates of X = 2,666,250.00 and Y = 330,780.00; thence West 1,400.00 feet to a point on the West line of said Block 30 having Coordinates of X = 2,664,850.00 and Y = 330,780.00; thence North 6,300.00 feet along the West line of said Block 30 to the point of beginning, containing approximately 424.70 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: It appears, according to our records, that a portion of this tract is located within the restrictive safety fairway area as set out by the Corps of Engineers, U.S. Army.

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.

STATE LEASE NO. 16615
EXHIBIT "A"

PORTION OF TRACT 32231 - PORTION OF BLOCK 20, BRETON SOUND AREA, Plaquemines Parish, Louisiana

All of the lands now or formerly constituting the beds and bottoms of all water bodies of every nature and description and all islands and other lands formed by accretion or reliction, except tax lands, belonging to the State of Louisiana and not under mineral lease on December 8, 1999, situated in Plaquemines Parish, Louisiana, and more particularly described as follows: Beginning at a point on the West line of Block 20, Breton Sound Area, having Coordinates of X = 2,679,600.00 and Y = 338,320.00; thence North 3,150.00 feet along the West line of said Block 20 to a point having Coordinates of X = 2,679,600.00 and Y = 341,470.00; thence East 500.00 feet to a point having Coordinates of X = 2,680,100.00 and Y = 341,470.00; thence South 3,150.00 feet having Coordinates of X = 2,680,100.00 and Y = 338,320.00; thence West 500.00 feet to the point of beginning, containing approximately 36.16 acres, as shown outlined in red on a plat on file in the Office of Mineral Resources, Department of Natural Resources. All bearings, distances and coordinates are based on Louisiana Coordinate System of 1927 (South Zone).

NOTE: The State of Louisiana does hereby reserve, and this lease shall be subject to, the imprescriptible right of surface use in the nature of a servitude in favor of the Department of Natural Resources, including its Offices and Commissions, for the sole purpose of implementing, constructing, servicing and maintaining approved coastal zone management and/or restoration projects. Utilization of any and all rights derived under this lease by the mineral lessee, its agents, successors or assigns, shall not interfere with nor hinder the reasonable surface use by the Department of Natural Resources, its Offices or Commissions, as hereinabove reserved.